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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/126,945

DATE: 08/14/98
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Input Set: I126945.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

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1  <110> APPLICANT: Libermann, Towia A.
2      Oettgen, Joerg P.
3      Kunsch, Chuck
4      Endress, Gregory A.
5      Rosen, Craig A.
6  <120> TITLE OF INVENTION: Prostate Derived Ets Factor
7  <130> FILE REFERENCE: 1488.1090000
8  <140> CURRENT APPLICATION NUMBER: US/09/126,945
9  <141> CURRENT FILING DATE: 1998-07-31
10 <160> NUMBER OF SEQ ID NOS: 15
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 1894
14 <212> TYPE: DNA
15 <213> ORGANISM: Homo sapiens
16 <400> SEQUENCE: 1
17      gtctgacttc ctcccagcac attcctgcac tctgccgtgt ccacactgcc ccacagaccc 60
18      agtctctcaa gcttgcctgc agtccctgc aagccctca ggttgggcct tgccacggtg 120
19      ccagcaggca gccctgggct gggggtagg gactccctac aggcacgcag ccctgagacc 180
20      tcagagggcc accccttgag ggtggccagg cccccagtgg ccaacctgag tgctgcctct 240
21      gccaccagcc ctgctggccc ctggttcgc tgcccccca gatgcctggc tgagacacgc 300
22      cagtggcctc agctgcccac acctctccc ggccctgaa gttggcactg cagcagacag 360
23      ctccctgggc accaggcagc taacagacac agccgccagc ccaaacagca gcggcatggg 420
24      cagcgccagc ccgggtctga gcagcgtatc cccagccac ctctgctgc ccccgacac 480
25      ggtgtcgcgg acaggcttg agaaggcggc agcgggggca gtgggtctcg agagacggga 540
26      ctggagtccc agtccaccgc ccacgccga gcagggcctg tccgccttct acctctccta 600
27      ctttgacatg ctgtaccctg aggacagcag ctgggcagcc aaggccctg gggccagcag 660
28      tcgggaggag ccacctgagg agcctgagca gtgcccgtc attgacagcc aagccccagc 720
29      gggcagcctg gacttggtgc ccggcgggct gaccttgag gagcactcgc tggagcaggt 780
30      gcagtccatg gtggtgggcg aagtgtcaa ggacatcgag acggcctgca agctgtctaa 840
31      catcaccgca gatcccatgg actggagccc cagcaatgtg cagaagtggc tcctgtggac 900
32      agagcaccaa taccggctgc ccccatggg caaggccttc caggagctgg cgggcaagga 960
33      gctgtgcgcc atgtcggagg agcagttccg ccagcgctcg cccctgggtg gggatgtgct 1020
34      gcacgcccac ctggacatct ggaagtcagc ggctggatg aaagagcgga cttcacctgg 1080
35      ggcgattcac tactgtgcct cgaccagtga ggagagctgg accgacagcg aggtggactc 1140
36      atcatgtctc gggcagccca tccacctgtg gcagttcctc aaggagttgc tactcaagcc 1200
37      ccacagctat ggccgcttca ttaggtggct caacaaggag aagggcattc tcaaaattga 1260
38      ggactcagcc caggtggccc ggctgtgggg catccgcaag aaccgtcccg ccatgaacta 1320
39      cgacaagctg agccgctcca tccgccagta ttacaagaag ggcacatcc ggaagccaga 1380
40      catctcccag cgctcgtct accagttcgt gcaccccatc tgagtgcctg gccagggg 1440
41      tgaaacccgc ctcaggggc ctctctcctg cctgccctgc ctcagccagg ccctgagatg 1500
42      ggggaaaacg ggcagtctgc tctgtgctc tgaccttcca gagcccaagg tcagggagg 1560
43      gcaaccaact gcccagggg gatatgggtc ctctggggcc ttcgggacca tggggcagg 1620
44      gtgcttctc ctcaggccca gctgtccccc tggaggacag agggagacag ggctgctccc 1680

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45 caacacctgc ctctgacccc agcatttcca gagcagagcc tacagaaggg cagtgactcg 1740
46 acaaaggcca caggcagtc aggcctctct ctgtccatc cccctgcctc ccattctgca 1800
47 ccacacctgg catgggtgcag ggagacatct gcaccctga gttgggcagc caggagtgcc 1860
48 cccgggaatg gataataaag atactagaga actg 1894

49 <210> SEQ ID NO 2

50 <211> LENGTH: 335

51 <212> TYPE: PRT

52 <213> ORGANISM: Homo sapiens

53 <400> SEQUENCE: 2

54 Met Gly Ser Ala Ser Pro Gly Leu Ser Ser Val Ser Pro Ser His Leu
55 1 5 10 15
56 Leu Leu Pro Pro Asp Thr Val Ser Arg Thr Gly Leu Glu Lys Ala Ala
57 20 25 30
58 Ala Gly Ala Val Gly Leu Glu Arg Arg Asp Trp Ser Pro Ser Pro Pro
59 35 40 45
60 Ala Thr Pro Glu Gln Gly Leu Ser Ala Phe Tyr Leu Ser Tyr Phe Asp
61 50 55 60
62 Met Leu Tyr Pro Glu Asp Ser Ser Trp Ala Ala Lys Ala Pro Gly Ala
63 65 70 75 80
64 Ser Ser Arg Glu Glu Pro Pro Glu Glu Pro Glu Gln Cys Pro Val Ile
65 85 90 95
66 Asp Ser Gln Ala Pro Ala Gly Ser Leu Asp Leu Val Pro Gly Gly Leu
67 100 105 110
68 Thr Leu Glu Glu His Ser Leu Glu Gln Val Gln Ser Met Val Val Gly
69 115 120 125
70 Glu Val Leu Lys Asp Ile Glu Thr Ala Cys Lys Leu Leu Asn Ile Thr
71 130 135 140
72 Ala Asp Pro Met Asp Trp Ser Pro Ser Asn Val Gln Lys Trp Leu Leu
73 145 150 155 160
74 Trp Thr Glu His Gln Tyr Arg Leu Pro Pro Met Gly Lys Ala Phe Gln
75 165 170 175
76 Glu Leu Ala Gly Lys Glu Leu Cys Ala Met Ser Glu Glu Gln Phe Arg
77 180 185 190
78 Gln Arg Ser Pro Leu Gly Gly Asp Val Leu His Ala His Leu Asp Ile
79 195 200 205
80 Trp Lys Ser Ala Ala Trp Met Lys Glu Arg Thr Ser Pro Gly Ala Ile
81 210 215 220
82 His Tyr Cys Ala Ser Thr Ser Glu Glu Ser Trp Thr Asp Ser Glu Val
83 225 230 235 240
84 Asp Ser Ser Cys Ser Gly Gln Pro Ile His Leu Trp Gln Phe Leu Lys
85 245 250 255
86 Glu Leu Leu Leu Lys Pro His Ser Tyr Gly Arg Phe Ile Arg Trp Leu
87 260 265 270
88 Asn Lys Glu Lys Gly Ile Phe Lys Ile Glu Asp Ser Ala Gln Val Ala
89 275 280 285
90 Arg Leu Trp Gly Ile Arg Lys Asn Arg Pro Ala Met Asn Tyr Asp Lys
91 290 295 300
92 Leu Ser Arg Ser Ile Arg Gln Tyr Tyr Lys Lys Gly Ile Ile Arg Lys
93 305 310 315 320
94 Pro Asp Ile Ser Gln Arg Leu Val Tyr Gln Phe Val His Pro Ile

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95          325          330          335
96 <210> SEQ ID NO 3
97 <211> LENGTH: 113
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 3
101   Asn Ala Ser Asn Gly Gly Thr Ala Thr Val Lys Arg Pro Asn Gly Gly
102     1          5          10          15
103   Arg Thr Gly Gly Gly Gly Ser His Ile His Leu Trp Gln Phe Leu Lys
104         20          25          30
105   Glu Leu Leu Ala Ser Pro Gln Val Asn Gly Thr Ala Ile Arg Trp Ile
106         35          40          45
107   Asp Arg Ser Lys Gly Ile Phe Lys Ile Glu Asp Ser Val Arg Val Ala
108         50          55          60
109   Lys Leu Trp Gly Arg Arg Lys Asn Arg Pro Ala Met Asn Tyr Asp Lys
110         65          70          75          80
111   Leu Ser Arg Ser Ile Arg Gln Tyr Tyr Lys Lys Gly Ile Met Lys Lys
112         85          90          95
113   Thr Glu Arg Ser Gln Arg Leu Val Tyr Gln Phe Cys His Pro Tyr Ser
114         100         105         110
115   Gln
116 <210> SEQ ID NO 4
117 <211> LENGTH: 733
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 4
121   gggatccgga gcccaaattct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60
122   aattcgaggg tgcaccgtca gtcttcctct tcccccaaaa acccaaggac accctcatga 120
123   tctcccgga ccttgaggtc acatgcgtgg tggtagacgt aagccacgaa gaccctgagg 180
124   tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
125   aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
126   ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
127   agaaaaccat ctcaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
128   catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480
129   atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagAAC aactacaaga 540
130   ccacgcctcc cgtgctggac tccgacggct cttcttctct ctacagcaag ctccaccgtg 600
131   acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctctg 660
132   acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
133   gactctagag gat 733
134 <210> SEQ ID NO 5
135 <211> LENGTH: 5
136 <212> TYPE: PRT
137 <213> ORGANISM: Homo sapiens
138 <220> FEATURE:
139 <221> NAME/KEY: UNSURE
140 <222> LOCATION: (3)
141 <223> OTHER INFORMATION: May be any amino acid
142 <400> SEQUENCE: 5
143   Trp Ser Xaa Trp Ser
144     1          5

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145 <210> SEQ ID NO 6
146 <211> LENGTH: 86
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA primer
151 <400> SEQUENCE: 6
152 ggcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
153 cccgaaatat ctgccatctc aattag 86
154 <210> SEQ ID NO 7
155 <211> LENGTH: 27
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA primer
160 <400> SEQUENCE: 7
161 gcggcaagct ttttgcaaag cctaggc 27
162 <210> SEQ ID NO 8
163 <211> LENGTH: 271
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR fragment
168 <400> SEQUENCE: 8
169 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
170 aaatatctgc catctcaatt agtcagcaac catagtcccc cccctaactc cgcccatccc 120
171 gccctaact ccgccagtt ccgccattc tccgccccat ggctgactaa ttttttttat 180
172 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
173 ttttgagggc ctaggctttt gcaaaaagct t 271
174 <210> SEQ ID NO 9
175 <211> LENGTH: 32
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 9
179 gcgctcgagg gatgacagcg atagaacccc gg 32
180 <210> SEQ ID NO 10
181 <211> LENGTH: 31
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 10
185 gcgaagcttc gcgactcccc ggatccgcct c 31
186 <210> SEQ ID NO 11
187 <211> LENGTH: 12
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA primer
192 <400> SEQUENCE: 11
193 ggggactttc cc 12
194 <210> SEQ ID NO 12

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195 <211> LENGTH: 73
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
200 <400> SEQUENCE: 12
201      gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
202      ccattctcaat tag                                     73
203 <210> SEQ ID NO 13
204 <211> LENGTH: 256
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR fragment
209 <400> SEQUENCE: 13
210      ctgcagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
211      caattagtca gcaaccatag tcccgccctt aactccgccc atcccgcccc taactccgcc 120
212      cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
213      ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
214      cttttgcaaa aagctt                                     256
215 <210> SEQ ID NO 14
216 <211> LENGTH: 20
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
221 <400> SEQUENCE: 14
222      caaagttgtc atggatgacc                                     20
223 <210> SEQ ID NO 15
224 <211> LENGTH: 18
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
229 <400> SEQUENCE: 15
230      ccatggagaa ggctgggg                                     18
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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text

143 W "N" or "Xaa" used: Feature required

Trp Ser Xaa Trp Ser